

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/40034

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/17, 9/00; C07K 17/00
US CL : 530/356, 355, 402, 418, 422, 427; 424/401, 423

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 530/356, 355, 402, 418, 422, 427; 424/401, 423

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	Shadwick et al. Structure and function of tuna tail tendons. Comparative Biochemistry and Physiology Part A, 2002, Vol. 133, pages 1109-1125, especially pages 1109, 1111, 1112, 1115, 1121, Table 1 and Figure 5.	1, 3, 4, 6-12, 14, 21-25, 27 and 28 ----- 2, 13, 15-20, 26, 30, 34, 35
X --- Y	US 6,337,389 B1 (WOLFINBARGER, Jr.) 08 January 2002 (08.01.2002), cols. 2-6, 9-11 and Examples 1 and 3.	1, 5, 29 and 31-33 ----- 2-4, 6-28, 30, 34 and 35
Y	US 5,990,381 A (NISHIHARA) 23 November 1999 (23.11.1999) abstract, cols. 3, 4 and 8.	1-35
Y	US 6,271,350 B1 (SHIMIZU et al) 07 August 2001 (07.08.2001) abstract, cols 2 and 6.	1-35
Y,P	US 6,660,280 B1 (ALLARD et al) 09 December 2003 (09.12.2003), abstract, cols. 2 and 3, Examples 7 and 8 and claim 3.	1-35



Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

13 May 2005 (13.05.2005)

Date of mailing of the international search report

08 JUN 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Abdel A. Mohamed

Telephone No. (571) 272-1600

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/40034

Continuation of B. FIELDS SEARCHED Item 3:

APS, CAS ONLINE, MEDLIN, EMBASE, BIOSIS, WPIDS

search terms: Collagen, Marins or aquatic(5a)animal or swordfish or tuna or shark or salmon or cod or teleost?, Bone, or cartilage or skin or dermal or dura or screw or shaft or stent or gelatin or fil or mask or sponge or cosmetic or injection.